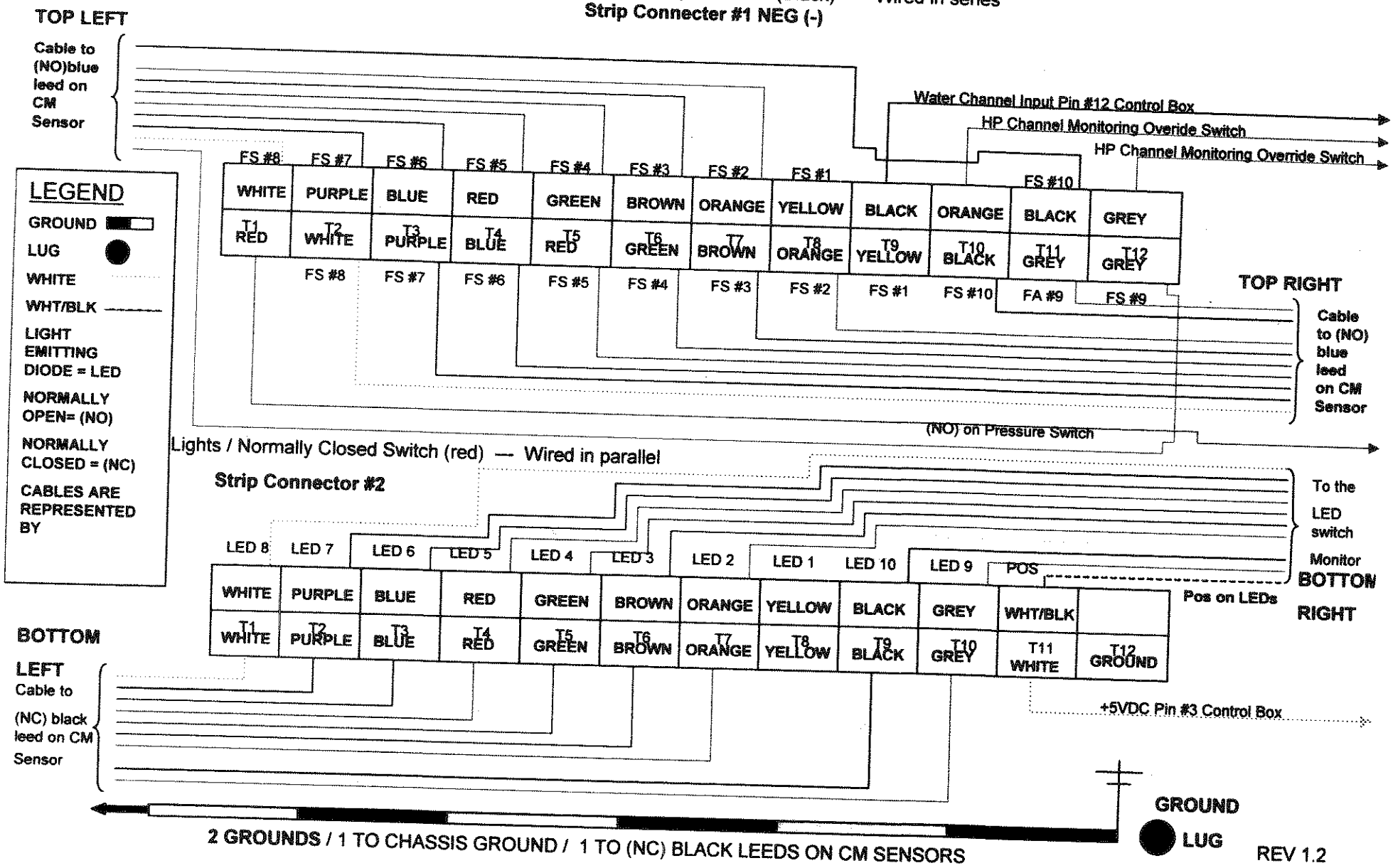
Wiring Diagram for Sys 83TM Flow Switches (Bank of 10)

Water Channel / Normally Open Switch (Black) — Wired in series

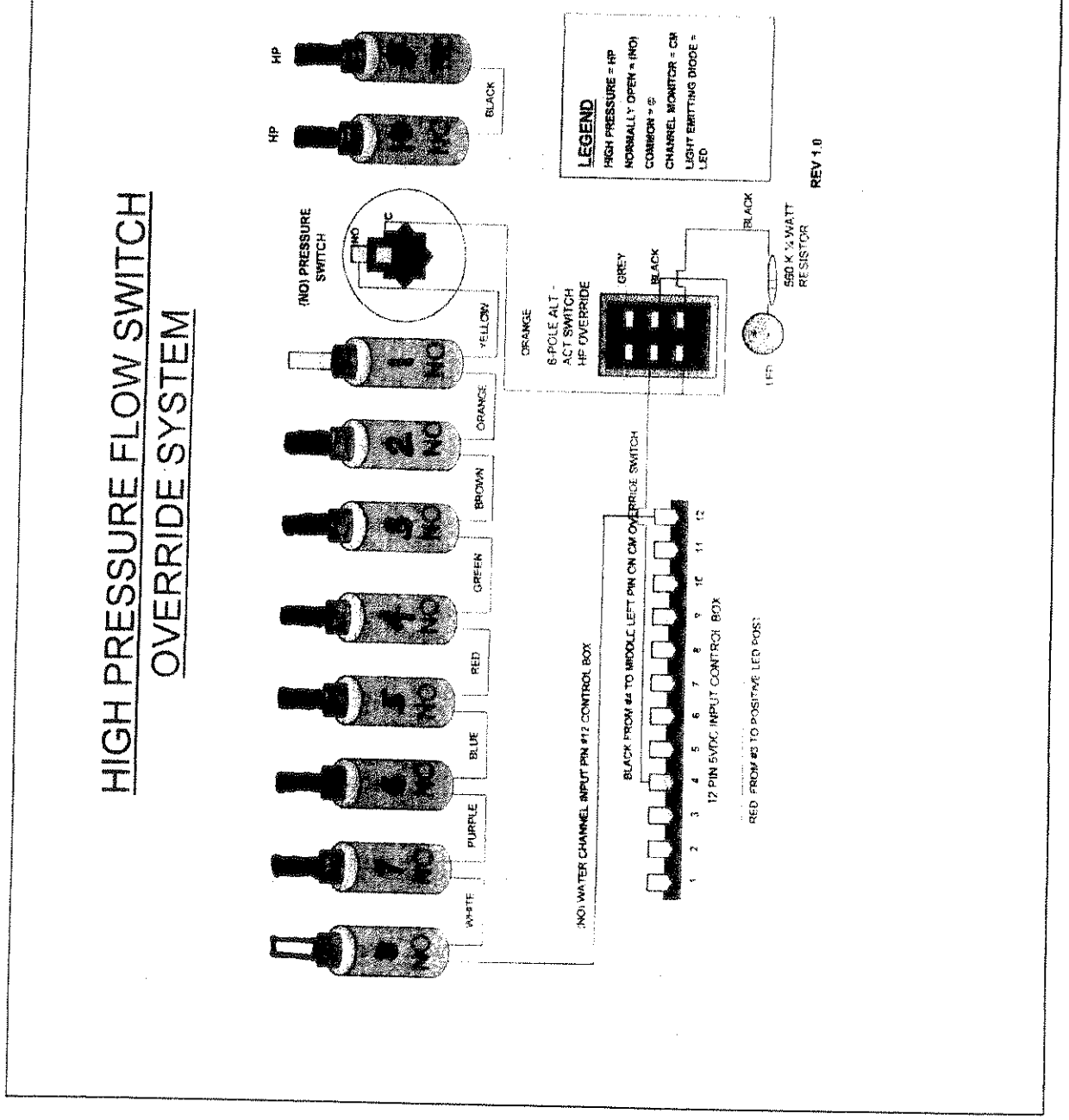
Strip Connecter #1 NEG (-)


TOP LEFT
Cable to (NO)blue leed on CM Sensor
LEGEND
GROUND
LUG
WHITE
WHT/BLK
LIGHT EMITTING DIODE = LED
NORMALLY OPEN= (NO)
NORMALLY CLOSED = (NC)
CABLES ARE REPRESENTED BY
FS #8 FS #7 FS #6 FS #5 FS #4 FS #3 FS #2 FS #1 FS #10
WHITE PURPLE BLUE RED GREEN BROWN ORANGE YELLOW BLACK ORANGE BLACK GREY
T1 RED T2 WHITE T3 PURPLE T4 BLUE T5 RED T6 GREEN T7 BROWN T8 ORANGE T9 YELLOW T10 BLACK T11 GREY T12 GREY
FS #8 FS #7 FS #6 FS #5 FS #4 FS #3 FS #2 FS #1 FS #10 FA #9 FS #9
Water Channel Input Pin #12 Control Box
HP Channel Monitoring Overide Switch
HP Channel Monitoring Override Switch
TOP RIGHT
Cable to (NO) blue leed on CM Sensor
(NO) on Pressure Switch
Lights / Normally Closed Switch (red) — Wired in parallel
Strip Connector #2
LED 8 LED 7 LED 6 LED 5 LED 4 LED 3 LED 2 LED 1 LED 10 LED 9 POS
WHITE PURPLE BLUE RED GREEN BROWN ORANGE YELLOW BLACK GREY WHT/BLK
T1 WHITE T2 PURPLE T3 BLUE T4 RED T5 GREEN T6 BROWN T7 ORANGE T8 YELLOW T9 BLACK T10 GREY T11 WHITE T12 GROUND
To the LED switch Monitor BOTTON RIGHT
Pos on LEDs
+5VDC Pin #3 Control Box
BOTTOM LEFT
Cable to (NC) black leed on CM Sensor
GROUND
LUG
2 GROUNDS / 1 TO CHASSIS GROUND / 1 TO (NC) BLACK LEEDS ON CM SENSORS

REV 1.2

MANUFACTURING PROCESS INSTRUCTIONS

INSTRUCTIONS:



PROCEDURE TO RESET THE DETERGENT TIMER:

You need to know how much of your detergent you would like to have in each wash cycle.

In the metal box below the sink is a digital timer. The timer has a set of binary switches as noted on the bottom of the page.

Use the center bank of switches as shown in the diagram. [The left and right banks are blanked out and are for different model switches.]

The number next to each switch is the number of seconds that the pump will stay on -- and they are additive.

Approximately 0.14 ounces are delivered per second of pump operation. [1 oz / 7sec].

The volume in the sink (to the bottom of the sensor) is ~6 GAL.

Set-up Examples:

If your detergent says 1 oz per gallon, the switches need to be set to add up to 42 sec. [7 sec/oz X 6 oz]

That means only switches 2, 8, and 32 should be in the ON position. [Adding 2+8+32=42]

If your detergent says 1/2 oz per gallon, the switches need to be set to add up to 15 sec. [7 sec/oz X 3 oz]

That means only switches 1, 4, and 16 should be in the ON position. [Adding 1+4+16=21]